

Abstract

A multiplexed motion picture stream (e.g., video) is demultiplexed. The
5 motion picture stream contains one or more images from each of a plurality of
camera sources. The process of demultiplexing the stream is automated and does
not require user intervention. The stream is demultiplexed by identifying images
within the image stream and comparing the images to representative images
from camera sources. During comparison a mismatch value is determined and is
10 compared to a mismatch threshold. If the mismatch value is below the mismatch
threshold, the image is assigned to a channel associated with the camera. In some
embodiments after demultiplexing, stored motion picture images of different
channels can be viewed simultaneously at the same image by advancing to a
given image of only one stored channel.